

Converting Colors

CIELCh(38, 63.740, 21.084)

Have a look what the booklet for
CIELCh(38, 63.740, 21.084) contains.

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Color

CIELCh(38, 63.559, 21.121)

Conversions

Conversions Part 1

Format	Color
Hex	B01538
RGB	176, 21, 56
RGB Percent	69%, 8%, 22%
CMY	0.3090, 0.9163, 0.7798
CMYK	0.00, 0.88, 0.68, 0.31
HSL	347°, 78%, 39%
HSV	347°, 88%, 69%
XYZ	18.9405, 10.0881, 4.7086
YIQ	71.3350, 81.1450, 43.7450

Conversions

Conversions Part 2

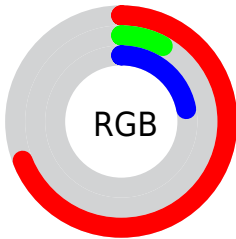
Format	Color
R _Y B	176, 21, 56
Decimal	11539768
CIE Lab	38.00, 59.29, 22.90
CIE LCh	38, 63.559, 21.121
Yxy	10.0881, 0.5614, 0.2990
Android (android.graphics.Color)	4289729848 (0xFFB01538)
YUV	71.3350, -7.5602, 91.7912
Hunter-Lab	31.7617, 50.8619, 13.4435

Details

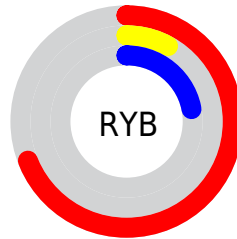
The CIELCh color **38, 63.559, 21.121** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **64, 46.002, 170.722**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 63.369, 21.066**, and **23, 52.950, 32.198** is the 20% darker color. If you saturate the color by 10%, you get **37, 68.199, 26.285**, and if you desaturate by 10%, it is **40, 58.100, 16.616**.

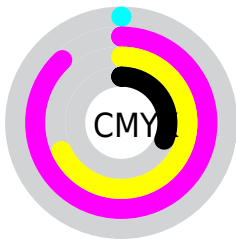
Distribution



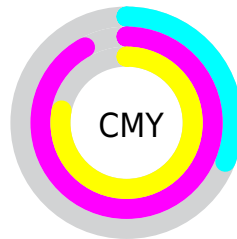
- Red (69%)
- Green (8%)
- Blue (22%)



- Red (69%)
- Yellow (8%)
- Blue (22%)



- Cyan (0%)
- Magenta (88%)
- Yellow (68%)
- Black (31%)



- Cyan (31%)
- Magenta (92%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 63.559, 21.121 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 38, 63.559, 21.121 by changing the saturation by 10% instead.

 38, 63.559, 21.121

 38, 63.559, 21.121

 100, 63.559,
21.121

 28, 63.559, 21.121

 58, 63.559, 21.121

 18, 63.559, 21.121

 68, 63.559, 21.121

 8, 63.559, 21.121

 78, 63.559, 21.121

 0, 63.559, 21.121

 88, 63.559, 21.121

 98, 63.559, 21.121

 38, 63.559, 21.121

 38, 63.559, 21.121

 37, 68.199, 26.285

 40, 58.100, 16.616

37, 69.201, 27.323

42, 51.664, 12.956

46, 44.413, 10.050

50, 36.646, 7.746

54, 28.673, 5.899

58, 20.742, 4.391

63, 13.021, 3.130

68, 5.607, 2.029

73, 1.455, 181.517

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38, 63.559, 21.121



64, 46.002, 170.722

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38, 63.559, 21.121



38, 63.559, 71.121



38, 63.559, 201.121



38, 63.559, 251.121

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38, 63.556, 21.123



75, 23.901, 4.196



37, 85.795, 320.104



38, 16.293, 4.660



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 63.556, 21.123



48, 85.043, 28.385



42, 64.540, 46.422



35, 4.081, 2.183



32, 62.035, 26.633



2, 9.473, 5.283

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38, 63.556, 21.123



48, 85.043, 28.385



53, 33.391, 244.081



35, 4.081, 2.183



32, 62.035, 26.633



2, 9.473, 5.283

Previews

White Background



This preview shows how the CIELCh color 38, 63.559, 21.121 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 63.559, 21.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 63.559, 21.121

Background



This preview shows how black text looks on a background with the CIELCh color 38, 63.559, 21.121.



This preview shows how white text looks on a background with the CIELCh color 38, 63.559, 21.121.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38, 63.559, 21.121

Protanopia

39, 6.347, 93.064

Deuteranopia

39, 26.890, 78.941



Tritanopia
38, 68.761, 35.188

Trichromacy



Original Color
38, 63.559, 21.121

Protanomaly
35, 27.224, 16.670

Deuteranomaly
36, 36.902, 36.274

Tritanomaly
38, 66.464, 30.594

Monochromacy



Original Color
38, 63.559, 21.121

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 26.483, 8.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 63.559, 21.121 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 21, 56)` looks like.

```
.text, #text, p{  
    color:rgb(176, 21, 56)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 21, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 21, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 63.559, 21.121 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 21, 56) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 21, 56) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 21, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 21, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 21, 56);  
box-shadow:4px 4px 4px 4px rgb(176, 21,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 63.559, 21.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 21, 56) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176, 21,  
56) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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